



**QSTC201/211  
IP Camera  
User's Manual**



**Q-see Products**

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## Before using this product

**Before operating, we strongly advise users to read this manual and keep it handy for later use.**

**This manual provides product instructions but we do not warranty the contents. We reserve the right to amend typographical errors, and the product may change due to software upgrades and product improvements. Any changes will be published in the latest version without special notification.**

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# 1 Introduction

## 1.1 Product Summary

This IP-CAMERA is a video surveillance device designed especially for CCTV systems. It uses H.264 compression technology with a high-powered decoding chip, and uses advanced IT technology, such as video encoding and decoding technology, complies with the TCP/IP protocol, SoC, etc... to ensure this system is stable and reliable. This unit consists of two parts: the IP-CAMERA device and central management software. The central management software (CMS) allows you to view and control multiple devices via internet or LAN and establishes a sound surveillance system with unified management and remote operation for all the devices in one network.

This product is widely used in banks, telecommunication systems, electricity power departments, law systems, factories, storehouses, cities and so on. It is an ideal choice for surveillance sites with middle or high risks.

## 1.2 Check package contents

The package should contain all the following:

 **Notice: the pictures below are only for reference; the actual items may look different**

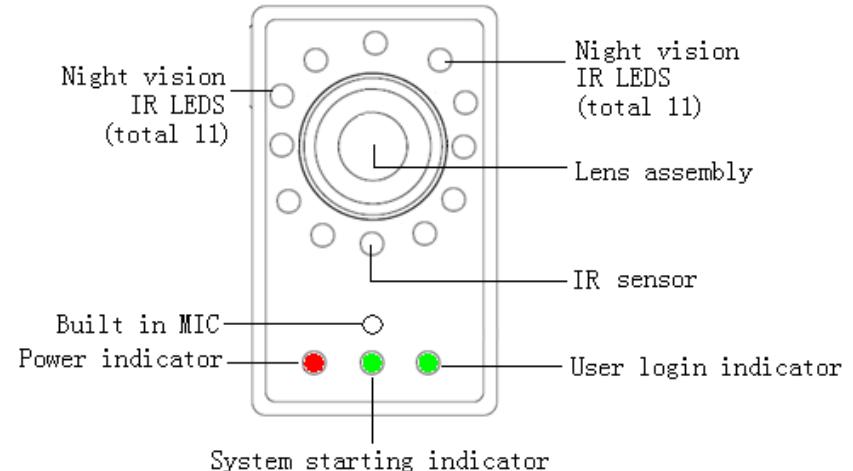
| 1.IP-CAMERA module                                                                    | 2.Power adapter                                                                       | 3.User's manual                                                                       | 4.CMS CD                                                                              | 5.Alarm box                                                                           |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| 6.Cables                                                                              | 7.Audio line                                                                          | 8. Camera Stand                                                                       | 9. Hex key                                                                            |                                                                                       |
|  |  |  |  |                                                                                       |

**Functions of accessories:**

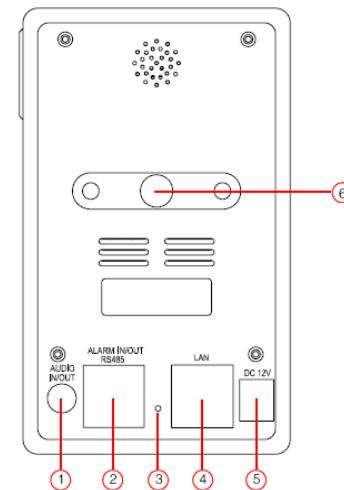
| NO. | Accessories      | Description                                                                 |
|-----|------------------|-----------------------------------------------------------------------------|
| 1   | IP-CAMERA module | The Camera                                                                  |
| 2   | Power adapter    | The power adapter output DC 12V, which supplies the power to the IP-CAMERA. |
| 3   | User manual      | The instructions for using the product                                      |
| 4   | CD               | CD-ROM with software and manual                                             |
| 5.  | Alarm box        | Connect to alarm                                                            |
| 6   | Cable 1          | Connect device to the alarm box                                             |
|     | Cable 2          | Connect the IP-CAMERA to the Internet                                       |
| 7   | Audio line       | Connect to MIC & Headphones                                                 |
| 8   | Camera Stand     | Attach to back of IP Camera                                                 |
| 9   | Hex Key          | Adjust Screws on Camera Stand                                               |

**1.3 IP-CAMERA interface introduction****1.3.1 Front View of IP-CAMERA**

 **Notice: the pictures below are only for reference; the actual items may look different**

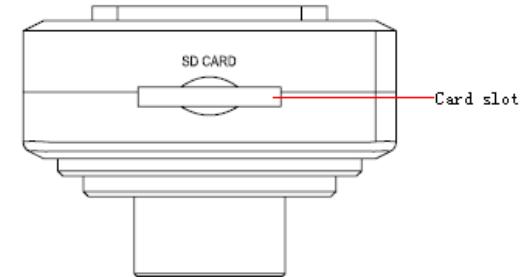


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**1.3.2 Back View of IP-CAMERA**

| Item | Name         | Description                   |
|------|--------------|-------------------------------|
| 1    | AUDIO IN/OUT | Connect to MIC & Headphones   |
| 2    | ALARM IN/OUT | Connect to external alarm box |
| 3    | RESET        | Restore default settings      |
| 4    | LAN          | Connect to network            |
| 5    | DC12V        | Power input                   |
| 6    | Thread hole  | Attaches IP-CAMERA to stand   |

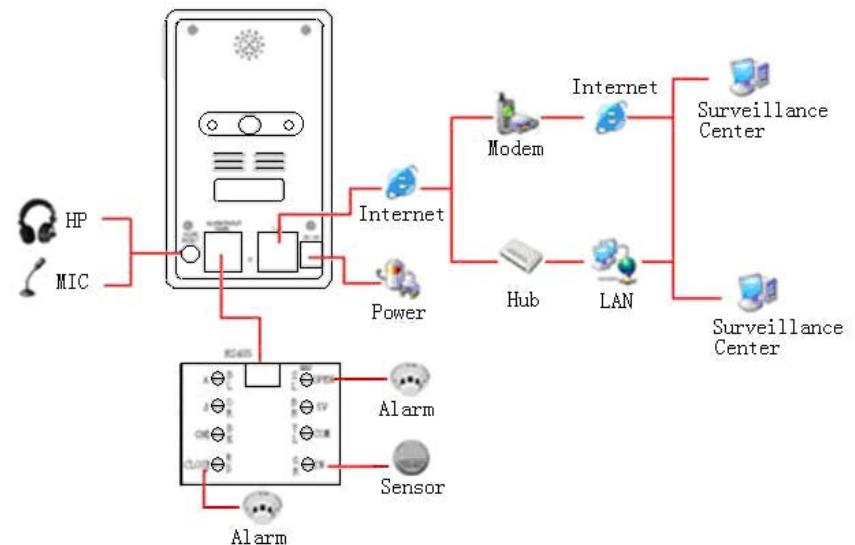
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**1.3.3 Top View of IP-CAMERA**

## 2 Installation

### 2.1 Attach IP-CAMERA to Ethernet network

The connection of the digital video server is show below. Video input devices, audio input devices and alarms should be connected first, then the power supply is connected.



**Fig 2-1 Connections**

User can connect the PC (Surveillance Center) and IP-CAMERA as shown in the above picture. Before connecting to PC, user needs to connect external devices, and then connect the power. Connecting sensors or alarm boxes is optional and depends on user's needs.

The connection steps are shown below:

**Step 1:** Transfer line 1 connects to alarm box and IP-CAMERA first, and then connect to alarm devices. (For more details please refer to IP-CAMERA hardware installation 2.2).

**Step 2:** Transfer line 2 connects to MIC and Headphones

**Step 3:** Internet line connects to Internet broadband modem or router.

**Step 4:** Connect power cable to a power outlet

## 2.2 IP-CAM hardware installation

This section describes how to connect camera stand and alarm devices (optional).

### 1. Install IP-CAMERA

**Step 1:** Turn one end of the extension stand to the screw hole on the groove of the base

**Step 2:** Turn the other end of the extension stand clockwise on the screw hole of the IP-CAMERA and adjust it as shown in Fig 2-2



Fig 2-2 Install IP-CAM

**Step 3:** Adjust the IP-CAMERA and the stand to the desired position

### 2. Connect to alarm devices as shown as Fig 2-3

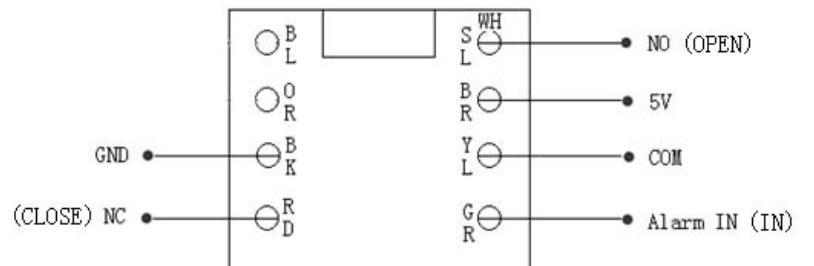


Fig 2-3 Connect to alarm box

## Connection parameter descriptions:

| Name     | Description                                              |
|----------|----------------------------------------------------------|
| GND      | Grounding                                                |
| NC       | Normally Closed Alarm output                             |
| NO       | Normally Open Alarm output                               |
| 5V       | 5V Power port                                            |
| COM      | Public port used with NC or NO , connect to alarm output |
| Alarm IN | Sensor input                                             |

**3. Check the Night Vision IR LEDS**

Power on, the IP-CAMERA starts to work; user can see a circle of lights around the LENS of IP-CAMERA which allow the user to view images clearly in the dark. After the power is on, the IP-CAMERA starts to work.

**2.3 Install CMS**

After the IP-CAMERA is connected to the Ethernet, user can begin remote monitoring and managing the device by using the client software or IE browser. This chapter explains how to use the client software, and is the quick install guide for the CMS. For operation and monitor setting details please refer to the CMS user manual on the included CD.

**Note: Before installing control center software in your computer, please**

**make sure all anti-virus software in the computer is disabled so that CMS can install correctly.**

- **System requirements**
- **Supported Operating Systems:**

| Operating system | Comments                                                      |
|------------------|---------------------------------------------------------------|
| Windows XP       | Windows XP SP2 or most recent patch,<br>DirectX 9.0c or above |
| Windows Vista    | Windows Vista<br>DirectX 10.c                                 |

- **Computer hardware requirements**

Please make sure the system is running well and the computer is compatible :

- **Recommended PC Specifications – 4 channels**

| Item   | Specification                      |
|--------|------------------------------------|
| CPU    | Intel Pentium 3.0 GHz or AMD 3000+ |
| Memory | 1GB                                |
| HDD    | 160GB                              |

- **Recommended PC Specifications -9 channels:**

| Item   | Specification                                   |
|--------|-------------------------------------------------|
| CPU    | Intel Core 2 Duo 1.8 GHz or AMD Dual core 3800+ |
| Memory | 1GB                                             |
| HDD    | 250GB                                           |

- **Recommended PC Specifications -16 channels:**

| Item   | Specification                                   |
|--------|-------------------------------------------------|
| CPU    | Intel Core 2 Duo 2.2 GHz or AMD Dual core 3800+ |
| Memory | 2GB                                             |

|     |       |
|-----|-------|
| HDD | 250GB |
|-----|-------|

⚠️Notice:

- The above recommended specifications are for CIF resolution.
- The AMD hyper-3800+ and X64 series chips have not been tested;
- If user wants to have real-time live view with CIF resolution (352x240), the max connection number is 16 on one computer;
- If user wants to have real-time live view with D1 resolution (704x480), the max connection number is 4 on one computer.

### 2.3.1 Install process

1. Run the “Control Center” from software CD, double click “Setup.exe” file, Figure2-4 window will pop up:

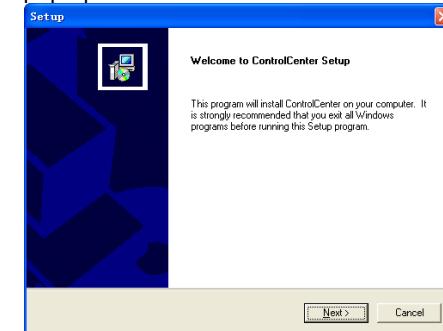


Figure2-4 Welcome menu

2. Click “Next” to enter the next step, shown as Figure2-5:

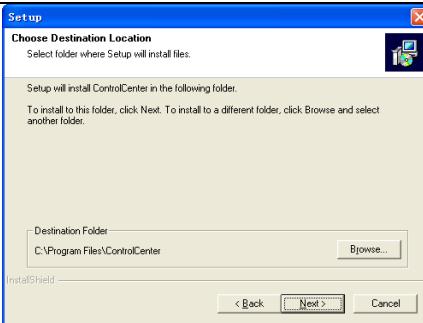


Figure2-5 Choose the installation destination

3. The default installation destination folder is “C:\Program Files”, user can click “Browse” button to change it. After selecting the destination, click “Next” to enter the next step shown as Fig 2-6:

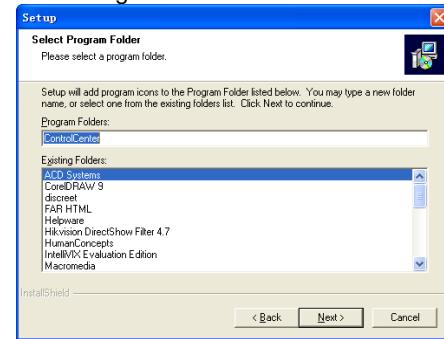


Figure2-6 selects a folder to install in

4. Click “Next” to start installing and display Fig 2-7:

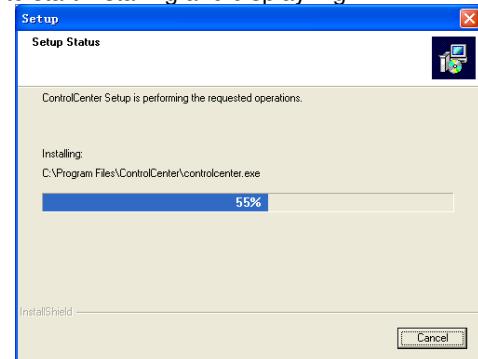


Figure2-7 the rate of installation progress

5. The installation is complete shown as Fig 2-8:

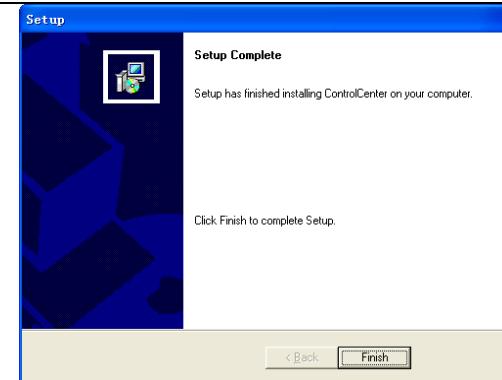
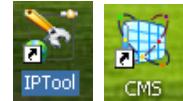


Figure2-8 Setup Complete

6. Click “Finish” to complete setup, and see the “Control Center” icon



on the desktop.

7. Double click CMS icon to start the software, the default user name is “system”, and password is “123456”, user can change it as shown in the corresponding chapter, for detailed introductions refer to “user manager” in user manual. The CMS preview interface is shown as Fig 2-9:

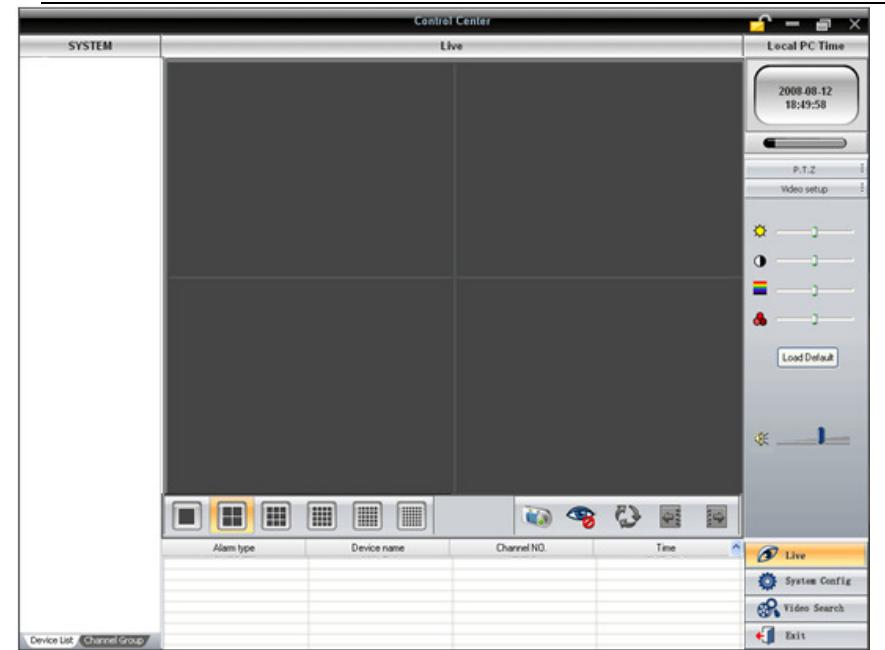


Figure2-9 Preview interface

**8. Add device:**

User can add video monitor device or sub region under the heading of add region.

**Step 1:** Enter into the System Configuration menu, click 'Device

Manager', input the region name in 'Region' textbox. Refer to Fig 2-10:



Fig 2-10 Add region

**Step 2:** Click  button; 'Add Device' dialog box will pop up refer to Fig 2-11:



Fig 2-11 Add device

**Step 3:** If the monitor device exists with the PC at the same LAN, click the "Search device" button, CMS will search for the compatible device in LAN and list the details in the "Device search" dialog box. Double click an item, it will be added to the information list on the right refer to Fig 2-12:

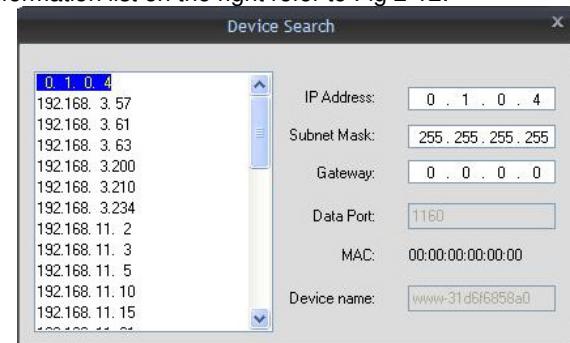


Fig 2-12 Device search

**Note:** CMS and IP Tool can't run at the same time or the device information won't search and display.

**Step 4:** In the "Channel Group" dialog box select a device or area, click  or  icon, user can rename or delete the selected device or area. Select channel, user can rename the displayed name in this channel.

After successfully adding a device, user can re-group the channel of all devices. Following these steps:

**Step 1: change the interface to "Channel Group"**

**Notice:** Please close the live preview when previewing channel or recording in the device list.



Fig 2-13 Add group

**Step 3:** Select the channel in the "Device list" edit box, click  icon, and add the channel into "Channel group" edit box.

### 3 Internet Explorer Remote Access

The network service default settings are shown below:

IP address: 192.168.0.201

Subnet Mask: 255.255.255.0

Gateway: 192.168.0.1

HTTP: 80

Data port: 9008

When using the IP-CAMERA for the first time, please connect the device using the above default settings, and reconfigure the setting according to your network. Here we are using IE browser (above 6.0 versions) as an example; for operation using CMS please refer to CMS user's manual.

#### 3.1 LAN

**Step 1:** Manually setup the IP address of the PC, the network segment should be as same as the default settings of IP-CAMERA. Right click "My Network Places" icon on the desktop, select "properties"; right click "Local Area Connection" on the pop-up window, and then select "properties". Select "Internet Protocol (TCP/IP)" in the "General" tab, click "properties", manually input network address information of the PC in the pop up window, refers to figure 3-1:

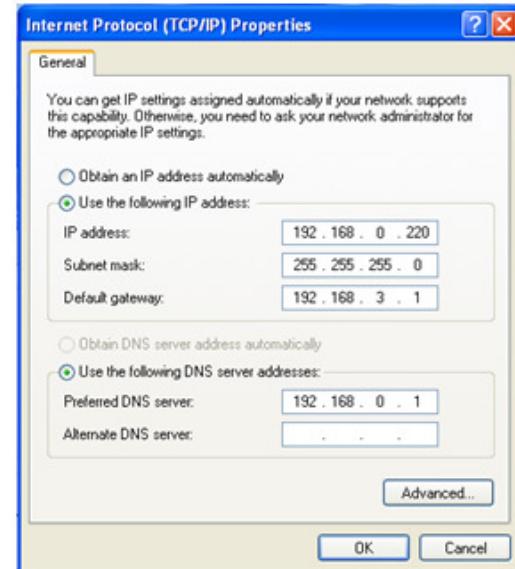


Fig 3-1 PC network setting

**Step 2:** Open the IE Browser, input the default address of IP-CAMERA and confirm, the IE browser will download an Active X control automatically. If IE browser can't download the Active X control, please refer to Q4 of Chapter 9

**Step 3:** After downloading the Active X control, the login dialog box will pop up as shown in figure 3-2:

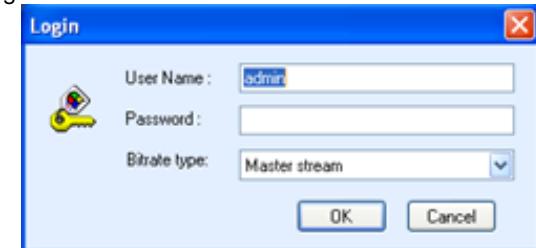


Fig 3-2 Login dialog box

**Step 4:** Input user name and password in the login dialog box, click "OK" button to enter into the live view interface refer to Figure 3-3. User can manage and setup the IP-CAMERA, such as changing IP address etc.



Fig 3-3 IE browser preview interface

**Note:** The default user name is "admin" and password is 123456

### 3.2 WAN

Setting up the router:

**Step1:** Connect according to above steps in LAN, enter into System Configuration—Network configuration—Basic configuration, setup the port numbers refer to Fig 3-4:

The screenshot shows a configuration page titled "Network basic config". It contains four input fields: "HTTP Port" set to 80, "Data Port" set to 9008, a checked checkbox for "Enable UPNP", and "Maximum number of user" set to 8.

Fig 3-4 Port setup

**Step 2:** Enter into System Configuration—Network configuration—IP configuration, change IP address refer to Fig 3-5:

The screenshot shows the "IP Config" section of the network configuration. It includes fields for "IP Address" (192.168.0.201), "Subnet Mask" (255.255.255.0), "Gateway" (192.168.11.1), "Preferred DNS server" (192.168.0.1), "Alternate DNS server" (0.0.0.0), and a radio button for "Obtain an IP address auto". Below this is the "PPPoE Config" section with a checked "PPPoE" checkbox, "User Name" and "Password" fields, and an "IP change notification" section with a checked "Enable notifying change of IP" checkbox and a "Receival email address" field.

Fig 3-5 IP setup

☞ **Note:** The steps above should be saved after changing the port and IP address. Log back into the device with the saved setting.

**Step3:** Enter into the router's management interface through IE browser; forward the port of IP-CAMERA to the IP address of the camera in the "virtual server". Or whatever the category is called on the router you are using. Refer to Fig 3-6

| Virtual Servers List                                     |               |               |          | Apply | Cancel | Help |
|----------------------------------------------------------|---------------|---------------|----------|-------|--------|------|
| Name                                                     | Private IP    | Protocol      | Schedule |       |        |      |
| <input type="checkbox"/> Virtual Server FTP              | 0.0.0.0       | TCP 21/21     | always   |       |        |      |
| <input checked="" type="checkbox"/> Virtual Server HTTP  | 192.168.2.99  | TCP 80/80     | always   |       |        |      |
| <input checked="" type="checkbox"/> Virtual Server HTTP1 | 192.168.2.100 | TCP 80/88     | always   |       |        |      |
| <input type="checkbox"/> Virtual Server DNS              | 0.0.0.0       | UDP 53/53     | always   |       |        |      |
| <input checked="" type="checkbox"/> Virtual Server SMTP  | 192.168.2.99  | TCP 25/25     | always   |       |        |      |
| <input type="checkbox"/> Virtual Server POP3             | 0.0.0.0       | TCP 110/110   | always   |       |        |      |
| <input type="checkbox"/> Virtual Server Telnet           | 0.0.0.0       | TCP 23/23     | always   |       |        |      |
| <input checked="" type="checkbox"/> LAN DVS              | 192.168.2.167 | TCP 5000/5000 | always   |       |        |      |
| <input checked="" type="checkbox"/> ssh                  | 192.168.2.99  | TCP 22/22     | always   |       |        |      |
| <input checked="" type="checkbox"/> LAN DVS              | 192.168.0.201 | TCP 80/80     | always   |       |        |      |
| <input checked="" type="checkbox"/> LAN DVS              | 192.168.0.201 | TCP 9010/9010 | always   |       |        |      |

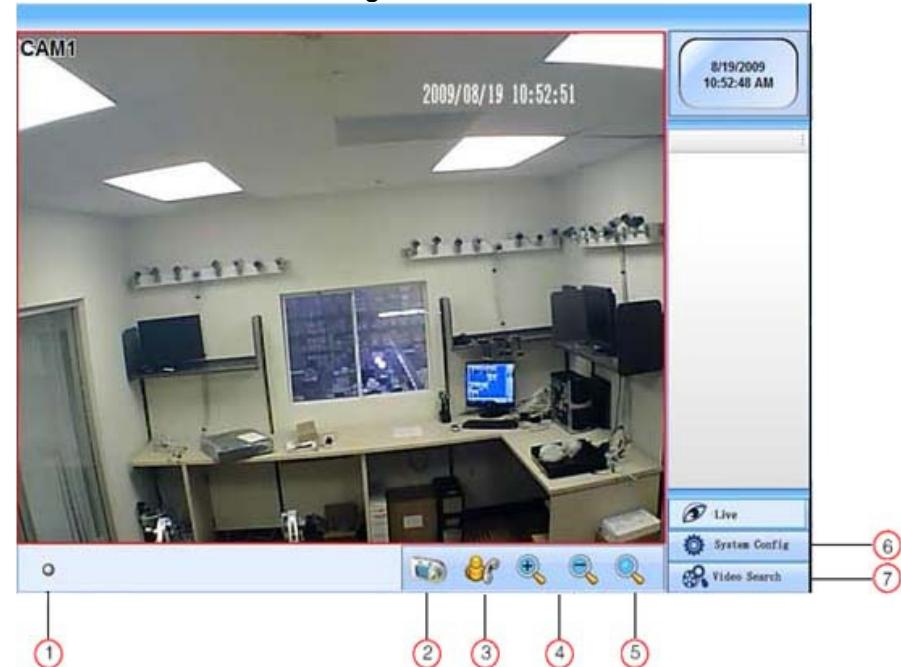
Fig 3-6 IP port forwarding

**Step4:** If the router is using a dynamic IP address, and you want to use a dynamic domain name so you do not need to be concerned with the IP address constantly changing on you, please apply for a domain name at a dynamic domain name service website, such as [www.dyndns.com](http://www.dyndns.com) , or [www.no-ip.com](http://www.no-ip.com). If you want to add the domainname into the router, please check whether it supports the service or not.

**Step 5:** Open the IE browser, the setting steps are as same as "Step 2,3 and 4" in LAN

## 4 Remote Preview

4.1 The remote viewing interface is shown below:



**Fig 4-1 remote preview interface**  
**Symbol and function Definitions:**

|                                             |                    |
|---------------------------------------------|--------------------|
| ① Motion Indicator                          | ② Picture snapshot |
| ③ Click this button to enable two-way talk. | ④ Zoom in and out  |
| ⑤ Return to normal view                     | ⑥ System Setup     |
| ⑦ Search for video files                    |                    |

**Note:** Before doing audio talk; users should make sure microphone and earphone connected with IP-CAMERA and PC work normally. Then click right mouse button on the device to select talk. If connection is successful, the device will turn to green. After connecting the MIC device to MIC port, and then clicking icon, users can enable talk.

#### 4.2 Configuration: Video Stream, Enable Audio

Click right mouse, a pull-down list will appear as shown below:

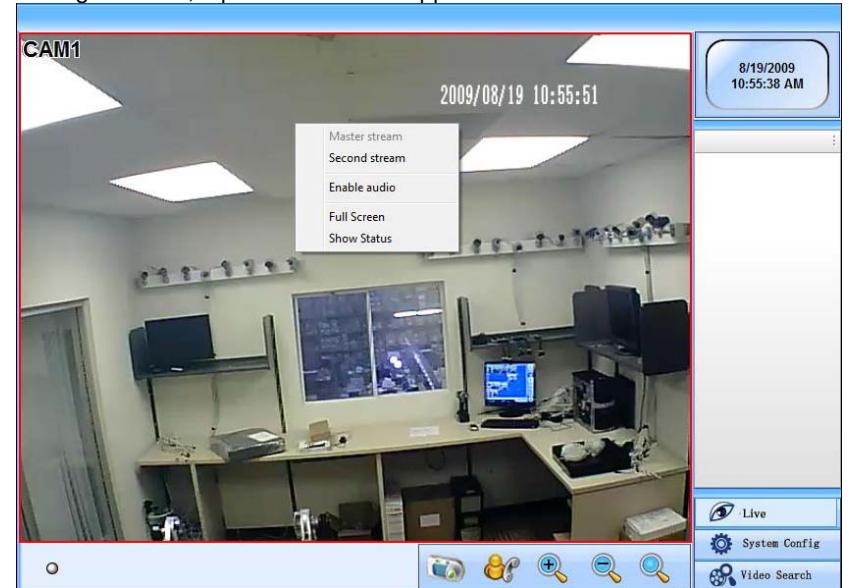


Fig 4-2 Right key sub-menu

**Master Stream/Second Stream:** select the video stream. This IP-CAMERA supports master stream and sub stream. Master stream has higher frame rate, max 30fps for every channel, but it needs higher network bandwidth to run effectively; Second stream has low frame rate, max 3fps for every channel, it requires lower network bandwidth. Therefore, users can select the stream according to their available bandwidth.

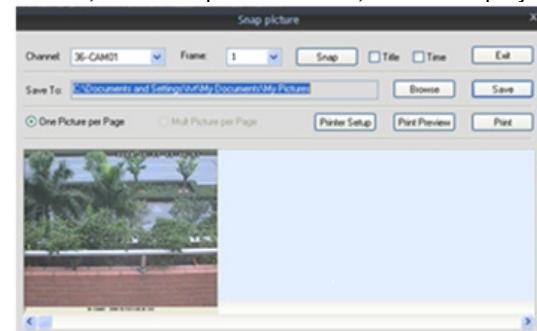
**Enable audio:** enable remote audio transmission. Users can hear the audio from the IP-CAMERA.

**Full screen:** the picture will fill the screen, without tool bar display. Double click or click right mouse button to return to the previous interface.

**Show status:** show the connection status which user connects to device.

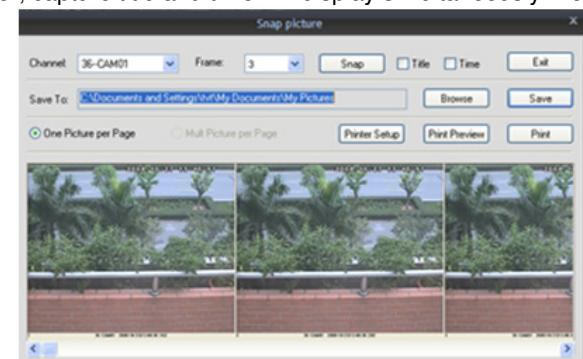
**Snap pictures:**

1. Select a channel, click "Snap" icon, this will display Fig 4-3:



**Fig 4-3 Single snap**

2. User can take multiple pictures, select "frames", such as 3, tick off "Title" and "Time", capture title and time will display simultaneously. Refer to Fig 4-4:

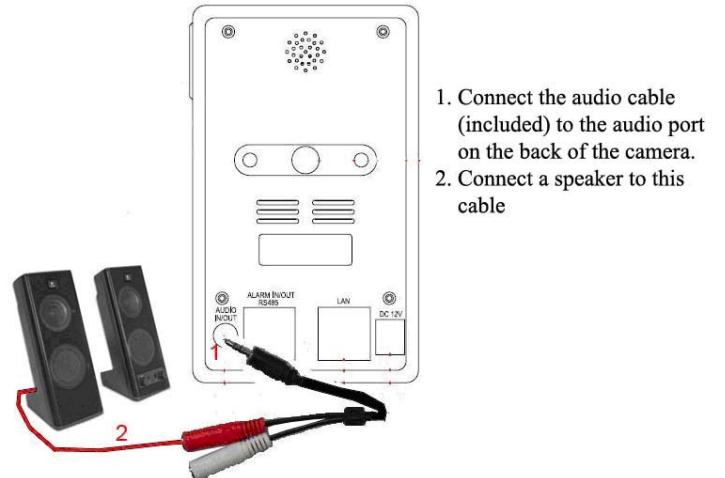


**Fig 4-4 Multiple snap**

3. Click "Browse" to set location to save file. Click "Save" to save pictures to HDD on the computer and the save folder windows will open.
4. Click Exit to return to live viewing interface.

#### 4.3 Using 2 Way Audio

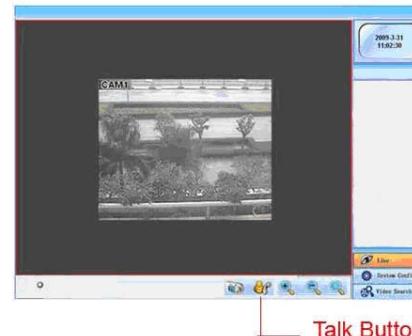
**Here are instructions on how to use the 2 way communication feature on the camera:**



1. Connect the audio cable (included) to the audio port on the back of the camera.
2. Connect a speaker to this cable

On the PC:

1. You must have a microphone or headset connected to your PC and working (example: you can talk and record your voice in Windows)
2. Connect to the IP Camera remotely through a network or the internet through Internet Explorer.
3. To hear Audio from the camera right click on the screen and click on Enable Audio.
4. To talk back to the camera from the PC click on the TALK button on the screen and then start talking into the microphone.



## 5 Remote Live Surveillance

### 5.1 Main Menu Setup

User can remotely setup the parameters of the device. Functions of remote configurations include: system configuration, channel configuration, alarm configuration, network configuration, notification configuration and advance configuration. User should first select the server on the menu list on the left, and then setup the relative parameters. When a user sets up parameters of a certain device, other users can not setup this device.

### 5.2 System Configuration

The "channel configuration" includes three submenus: server basic configuration, date & time and SD Card.

#### 5.2.1 Server basic configuration

In the "Server basic configuration" interface, user can setup the device name, device ID and video format and can also check the relative information of the server

Setting steps:

1. Click the "Server configuration" icon, the System configuration interface will appear in the operation area.
2. Click the "Server basic configuration ", see Figure 5-1:
- 3."Mac Address" shows the MAC address of the device.
4. Input the name of the device in the "Device name" text box.
5. Input the device ID in the "Device ID" text box.
6. Select the video format between server and camera (in the USA we use NTSC).

**Note: After format changes the device will restart.**

7. Press the "Save" button to save the settings.

Please refer to the following table for parameters and instructions of server basic configuration.

| Parameter           | Meaning                               |
|---------------------|---------------------------------------|
| Software version    | The software version of the device    |
| Software build date | The software build date of the device |
| Kernel version      | The kernel version of the device      |
| Hardware version    | The hardware version of the device    |
| Mac Address         | MAC address of device                 |
| Device ID           | Device version                        |
| Device name         | Name of the device.                   |

| Parameter   | Meaning                                                                |
|-------------|------------------------------------------------------------------------|
| Date format | Display time in live view. Three formats: YY-MM-DD, DD-MM-YY, MM-DD-YY |

**Basic setting**

|                   |                   |                      |                       |
|-------------------|-------------------|----------------------|-----------------------|
| Software Version: | 1.1.2 beta1       | Software Build Date: | 2009-4-11(YYYY-MM-DD) |
| Kernel Version:   | 20090204          | Hardware Version:    | 1.1                   |
| MAC:              | 00:18:AE:30:FF:26 | Date Format:         | YY-MM-DD              |
| Device name:      | name              | Device ID.:          | 0                     |
| Video Format:     | PAL               |                      |                       |

If video format is changed and saved, the device will restart automatically.

Fig 5-1 system configuration—server basic configuration interface

### 5.2.2 Date & Time configuration

Setting steps:

1. Enter into "system configuration" –“Date & Time” refer to Figure 5-2:
2. Choose the right "Time Zone" according to user's location.
3. Select “Modify Time”, user can setup time by select the “Synchronize with NTP Server” or “Set manually”. Select “Set manually”, user can self-define time; tick off “PC time” check box, the manual setup time will be the same as the PC time.
4. Press the "Save" button to save the settings.

**date time**

|                                                                                                                    |                                                               |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Time Zone:                                                                                                         | (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London |
| <input checked="" type="checkbox"/> <b>Modify time</b><br><input type="radio"/> Synchronize with NTP Server        |                                                               |
| NTP Server:                                                                                                        | time.windows.com                                              |
| <input checked="" type="radio"/> <b>Set manually</b><br>Time: 2009- 3-27 14:43:12 <input type="checkbox"/> PC time |                                                               |

Fig 5-2 system configuration—date &amp; time interface

### 5.2.3 SD Card

Setup steps:

1. Enter into "system configuration" –“Date & Time” refer to Figure 5-3:
2. Usage status: Blue pane means used; red pane means unused.
3. Pressing "Eject card" terminates writing data to SD card, then it can be ejected safely.

**Note: Use of the SD card function should be coordinated with Motion alarm and Sensor alarm, when alarm is triggered (refer to 5.3 Alarm configuration for details), pictures can be stored on the SD card.**

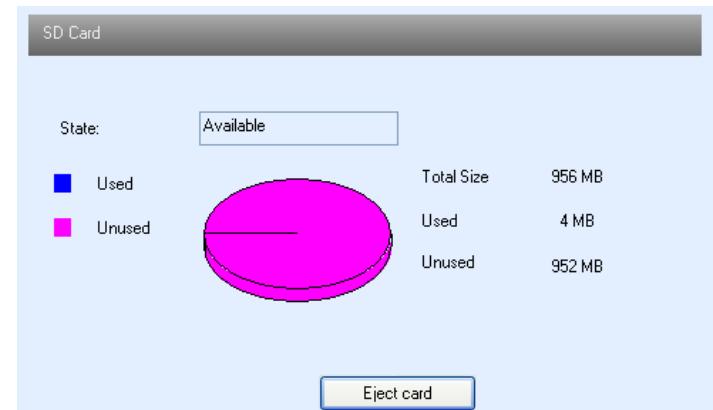


Fig 5-3 system configuration—SD card interface

## 5.3 Channel configuration

Channel Configuration includes four submenus: basic configuration, image configuration, and network image configuration

### 5.3.1 Basic configuration

Setting steps:

1. Enter into "Channel configuration"-- "Basic configuration" refer to Figure 5-4:
1. Select the channel to be setup on the "Channel Number" pull down list.
2. Input the channel name in the "Channel Name" textbox.
3. Check "time stamp", to display the record time on the video.
4. Use "Position" to position the record time: upper left, lower left, upper right, lower right.

5. Press the "Save" button to save the settings.



Fig 5-4 channel configuration—basic configuration interface

### 5.3.2 Image configuration

1. Enter into "Channel configuration"—"Image configuration" refer to Figure 5-5:
2. Select the channel to be setup using the "Channel Number" list box.
3. Press "Load Default" button to reset the default value of brightness, contrast, hue, saturation.
4. Move the scroll bar to set the value of the brightness, contrast, hue, saturation.
5. Press the "Save" button to save the settings.

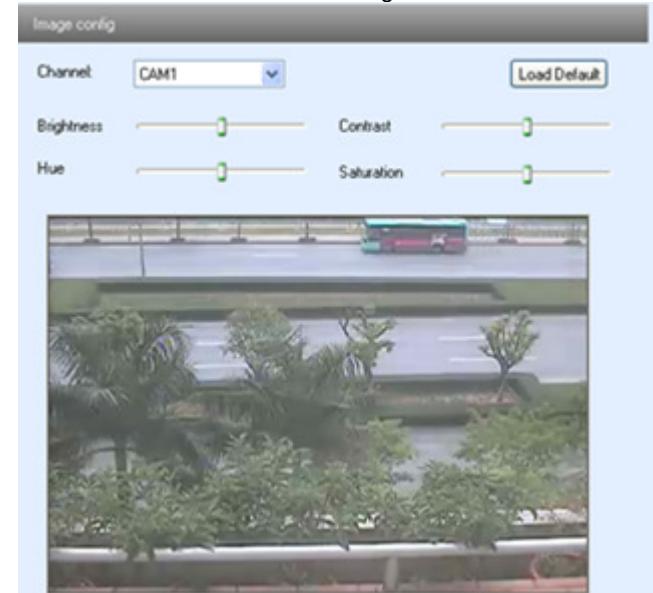


Fig 5-5 channel configuration—image configuration interface

### 5.3.3 Network image configuration

1. Enter into "Channel configuration"-- "Network image configuration" refer to Figure 5-6:

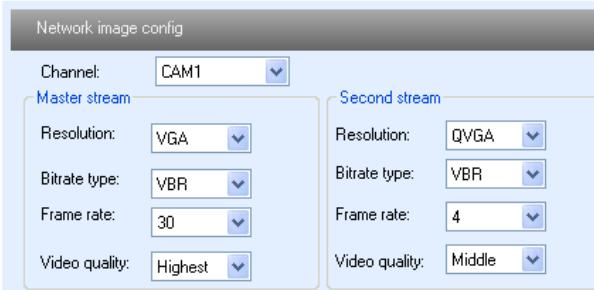


Fig 5-6 channel configuration—network image configuration interface

2. Select the channel which needs to be setup on the "Channel" pull down list.
3. Select the resolution of the single frame image on the "Resolution" pull down list.
4. Select the data stream type on the "Bit rate type" pull down list.
5. Select the speed of video per second at the "Frame rate" pull down list.
6. Set the video quality at the "Video quality" pull down list.
7. Press the "Save" button to save the settings.

**Note: this user manual is taking the single channel device as an example, so user can choose one channel at the "Channel" pull down list only, and the “Copy function” is unavailable for copying this setting to other channels. But for device with 4 channels and Multi-channels, this function is available.**

Please refer to the following table for parameters and instructions of network image configuration.

| Parameter   | Meaning                                                                                                                                                           |                     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|             | QSTC201                                                                                                                                                           | QSTC211             |
| Channel     | Serial number of video device which connected to server.                                                                                                          |                     |
| Resolution  | 640*480(VGA)<br>320*240(QVGA)                                                                                                                                     | 1280X800<br>320x200 |
| Stream type | The data quantity for video image transmission in network per second. Main stream: 1 ~ 25FPS(PAL), 1 ~ 30FPS(NTSC) ; Second stream: 1 ~ 4FPS(PAL), 1 ~ 4FPS(NTSC) |                     |

| Parameter     | Meaning                    |            |
|---------------|----------------------------|------------|
| Frame rate    | Max 30 fps                 | Max 15 fps |
| Video quality | The quality of video image |            |

#### 5.4 Alarm configuration

Alarm configuration includes seven submenus: motion detection, motion alarm, motion schedule, sensor alarm, sensor schedule, other alarm and alarm out.

##### 5.4.1 Motion detection

1. Enter into "Alarm configuration"--"Motion detection" refer to Figure 5-7:
2. Select the channel to set motion detection parameters at the "Channel Number" pull down list.
3. Move the "Sensitivity" scroll bar to setup the motion detection sensitivity.
4. Select the "Add" option, press the "Ctrl" button and move mouse to select the motion detection area; select the "Erase" option, move the mouse to clear all motion detection areas.
5. Press the "Save" button to save the settings.

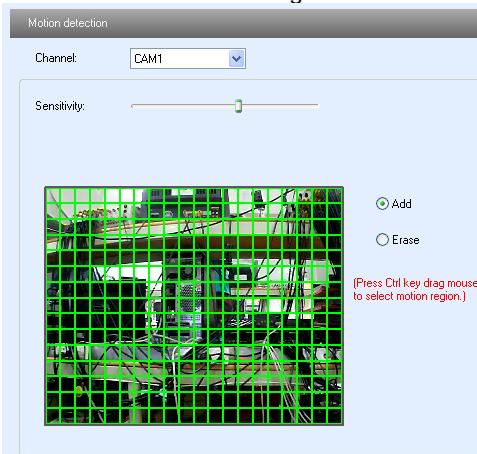


Fig 5-7 alarm configuration-- motion detection interface

##### 5.4.2 Motion alarm

1. Enter into "Alarm configuration"-- "Motion alarm" refer to Figure 5-8:
2. Select "Enable alarm" check box, all functions under this interface will be activated.
3. Select "Alarm output" in the "trigger alarm out" text box, it will trigger alarm if the device connected to alarm is triggered.
4. Select "Trigger snap", user should also select a matched channel; the alarm

will be triggered when there was an alarm.

5. Select the matched channel in "Trigger PTZ" text box, select "To preset" or "Start cruise", when motion detection triggers alarm, the PTZ install stand of the device will move to corresponding preset point or cruise line.

6. Press the "Save" button to save the settings.

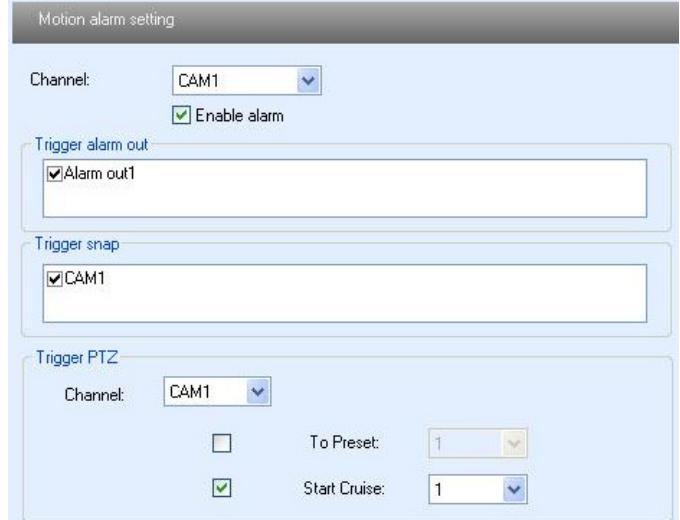


Fig 5-8 alarm configuration—motion alarm interface

#### 5.4.3 Motion Schedule

Enter into "Alarm configuration"-- "Motion schedule", refer to Figure 5-19:  
**Weekly schedule**

User can set the record time from Monday to Sunday for recording everyday in one week.

1. Select the channel which needs to be setup on the "Channel" pull down list.

**Note: The length bar is for each day of the week divided into the 24 hours of a day. You can use the mouse to click on the pane to set the record hours. Green means area is selected. Blank means area is not selected.**

2."Add": add the schedule record for a holiday

3."Delete": delete holiday schedule

#### Day schedule

User can set recording time for specific time of a special day, such as a holiday.

1. Select a special date at the "Date" pull down list, press "Add" button to add that date to the list box on the right side, and move the scroll bar to set the record schedule for that day.

2. Select a date in the list box on the right side, press "Delete" to remove the schedule for that day.

Press the "Save" button to save the settings.

**Note: Day schedule is better than Week schedule.**

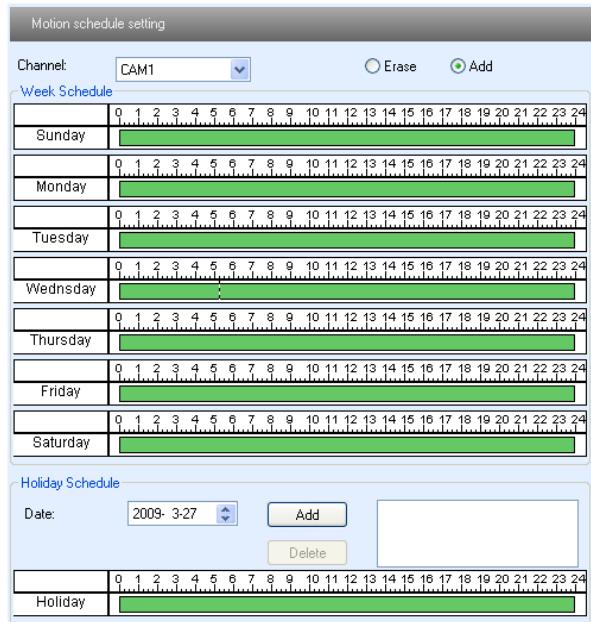


Fig 5-9 alarm configuration—motion schedule interface

#### 5.4.4 Sensor alarm

1. Enter into "Alarm configuration"--"Sensor alarm", refer to Figure 5-10:
2. Select the sensor which needs to be setup on the "Sensor" pull down list, and set the sensor type: NO or NC.
3. Select the "Enable alarm" check box, all functions under this interface will be activated.
4. Select the "Alarm output" in the "trigger alarm out" text box, it will trigger alarm if the device connected to alarm is triggered.
5. Select the matched channel in "Trigger PTZ" text box, select "To preset" or "Start cruise", when sensor detection triggers alarm, the PTZ install stand of the device will move to corresponding preset point or cruise line.
6. Select "Trigger snap", user should also select a matched channel; the alarm will be triggered when there was an alarm.
7. Press the "Save" button to save the settings.

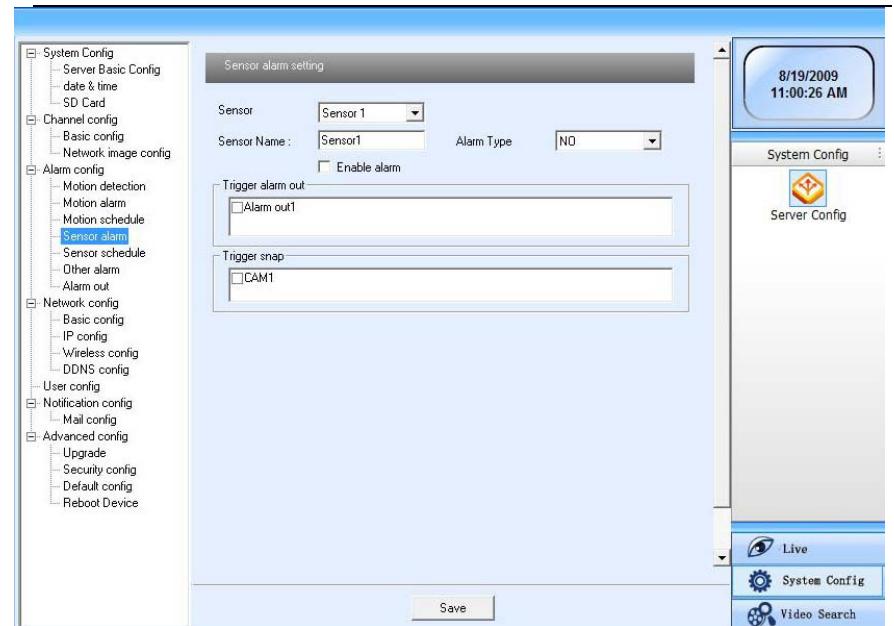


Fig 5-10 alarm configuration—sensor alarm interface

#### 5.4.5 Sensor schedule

Enter into "Alarm configuration"—"Sensor schedule" refer to Figure 5-11:  
**Week schedule**

User can set the recording time from Monday to Sunday for recording everyday of a week.

1. Select the sensor which needs to be setup on the "Sensor" pull down list.

**Note:** The length bar is for each day of the week divided into the 24 hours of a day. You can use the mouse to click on the pane to set the record hours. Green means area is selected. Blank means area is not selected.

2."Add": add the schedule record for a holiday

3."Delete": delete holiday schedule

#### Day schedule

User can set recording time for specific time of a special day, such as a holiday.

1. Select a special date at the "Date" pull down list, press "Add" button to add that date to the list box on the right side, and move the scroll bar to set the record schedule for that day.

2. Select a date in the list box on the right side, press "Delete" to remove the schedule for that day.

Press the "Save" button to save the settings.

**Note:** Day schedule is better than Week schedule.

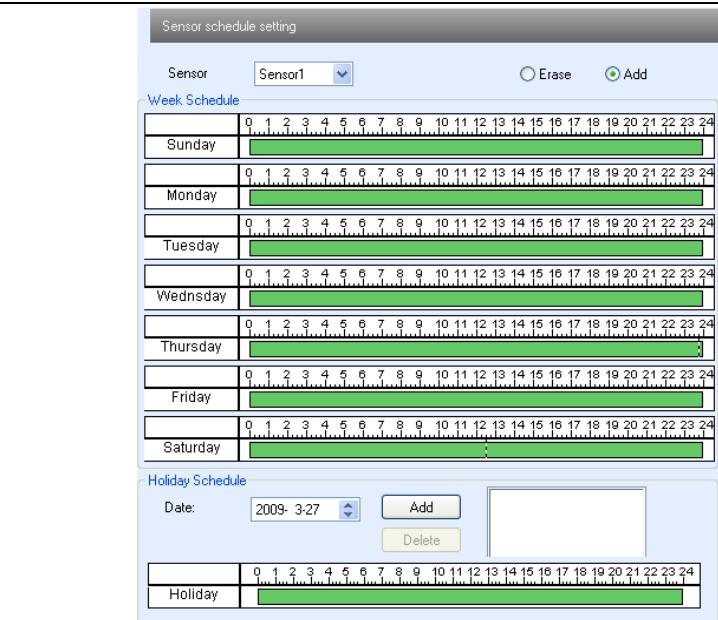


Fig 5-11 alarm configuration—sensor schedule interface

#### 5.4.6 Other alarm

1. Enter into "Alarm configuration"— "Other alarm" refer to Figure 5-12:
- 2."Alarm type" default is video loss.
3. Select the channel which needs to be setup on the "Channel Number" pull down list.
4. Select "Alarm out" in the "Trigger alarm out" textbox, which is optional.
5. Press the "Save" button to save the settings.

Fig 5-12 alarm configuration—other alarm interface

#### 5.4.7 Alarm out

1. Enter into "Alarm configuration"— "Alarm output" refer to Figure 5-13:
2. Select the alarm out number, alarm holding time and alarm name on the "Alarm out", "Alarm holding time" and "Name" pull down list respectively.
3. Press the "Save" button to save the settings.

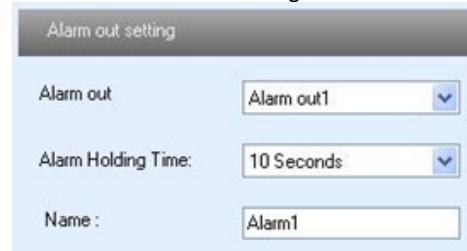


Fig 5-13 alarm configuration—alarm out

Please refer to the following table for parameters and instructions of alarm out.

| Parameter          | Meaning                                              |
|--------------------|------------------------------------------------------|
| Alarm out          | The alarm equipment which is connected to the device |
| Alarm holding time | After triggered the holding time of the alarm output |
| Name               | The name (number) of the alarm                       |

#### 5.5 Network configuration

Network configuration includes four submenus: basic configuration, IP configuration, wireless configuration and DDNS configuration.

##### 5.5.1 Basic configuration

1. Enter into "Network configuration"--"Basic configuration", refer to Figure 5-14:
2. Input port number for IE access in the "HTTP Port" textbox.
3. Input the port number for audio & video transmission in the "Data Port" textbox.

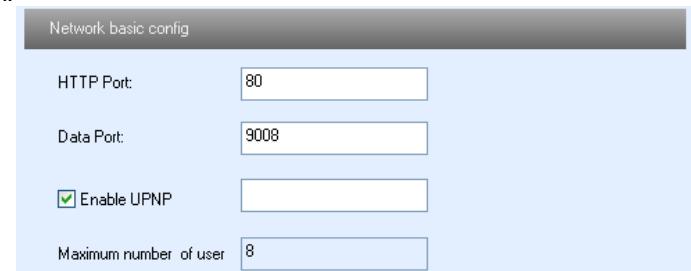
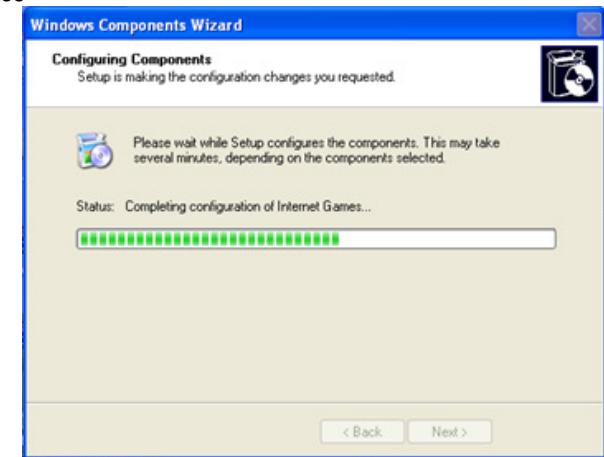


Fig 5-14 network configuration-- basic configuration interface

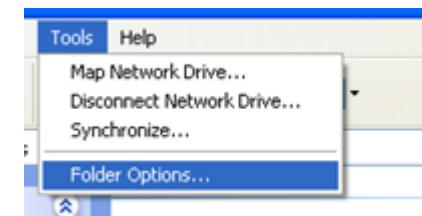
#### 4. Enable UPNP

Double-click the "My Network Places" icon on the desktop in PC, select "Show icons for networked UPnP devices" in the "Network Tasks" list box, an information window will pop up, click "YES" button, "Windows Components Wizard" dialog box will pop up as shown in picture below, press "Next" to continue. After finishing the installation of configured components, the UPnP icons will display. Users can double-click certain icons and check the IP address of the device



If "Show icons for networked UPnP devices" can't display in the "Network Tasks" list box, please follow the below steps:

- Click "Tools"-- "Folder options"
- Select the "Show common tasks in folders" in the "Tasks" check box, UPnP icon will display.





### 5.5.2 IP configuration

1. Enter into "Network configuration"--"IP configuration", refer to Figure 5-15:  
There are three Options for setup IP: Static IP, dynamic IP and PPPOE.
2. Static IP: users manually input the IP address, subnet mask, gateway and DNS.
3. Dynamic IP: router will distribute IP address to device automatically.
4. PPPOE: users manually input the user name and password for the network connection that they get from their internet service provider.
5. Select the "Enable notifying change of IP", an email will send to the appointed mailbox automatically when Device's IP address is changed.
6. Press the "Save" button to save the settings.

**Note: If using dynamic IP address, user should search the wireless IP address by wireless networking PC.**

This screenshot shows the 'IP configuration' interface. It includes fields for static IP settings (IP Address: 192.168.1.201, Subnet Mask: 255.255.255.0, Gateway: 192.168.1.1, Preferred DNS server: 192.168.0.1, Alternate DNS server: 0.0.0.0), a PPPoE configuration section (disabled), and an IP change notification section (disabled). A 'Save' button is at the bottom.

Fig 5-15 network configuration-- IP configuration interface

Please refer to the following table for parameters and instructions of IP configuration.

| Parameter         | Meaning                                             |
|-------------------|-----------------------------------------------------|
| <b>Static IP</b>  |                                                     |
| IP Address        | IP address of the server                            |
| Subnet mask       | Subnet mask of the server                           |
| Gateway           | Gateway address of the server                       |
| DNS server        | Domain name analytical server address of the server |
| <b>Dynamic IP</b> |                                                     |
| Dynamic IP        | Router will distribute IP address automatically     |
| <b>PPPoE</b>      |                                                     |
| User name         | User name for broad-band connection                 |
| Password          | Password for broad-band connection                  |

Change IP address through IP TOOL:

- Click the device, then double-click or click “Net set” button to enter into modify interface refer to Figure 5-16
- Delete the initial data and input IP address which should exist in the same LAN with PC
- Click “OK” button to save the setting.

Note: dynamic IP can't change the IP address

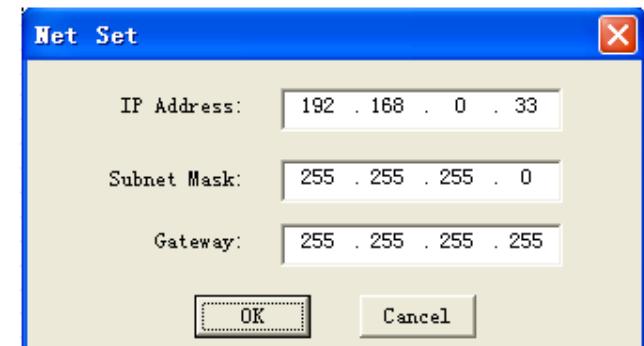


Fig 5-16 Change IP address

**Note: If IP Tool search can't find the device, please refer to chapter 3 IE Remote Access.**

#### 5.5.3 Wireless configuration

1. Enter into "Network configuration"--"Wireless configuration" refer to Figure

5-17:

2. Select "wireless switch", click "refresh" button, available wireless networks found by device will display in the "Available network" list box on the right. User can setup relative parameters according to available wireless networks.
3. SSID, channel, authentication mode and encrypt type, password are the same as the user's wireless router settings.
4. Select "Obtain IP address automatically", the device will distribute IP address, subnet mask, gateway IP and DNS service; select "use the following IP address", user should manually input the IP address, subnet mask, gateway IP and DNS service.

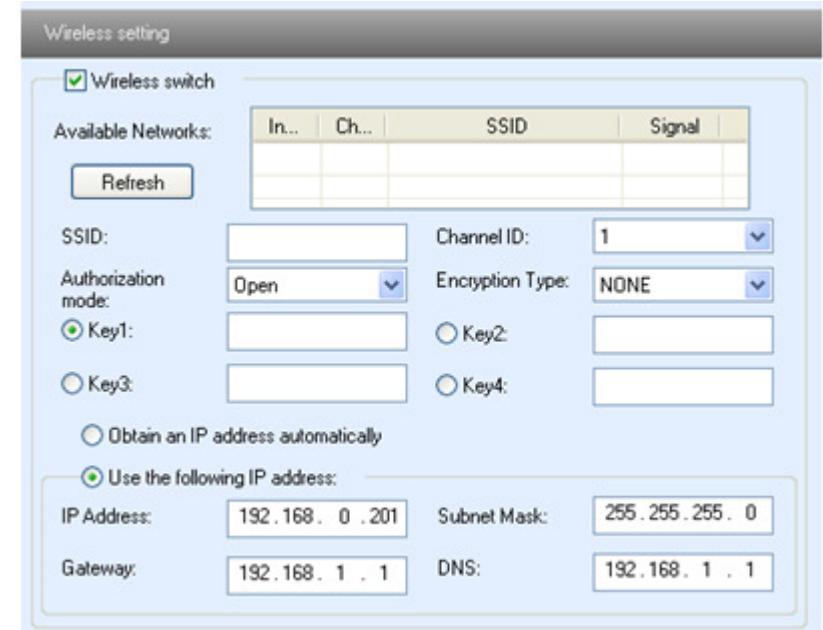


Fig 5-17 network configuration-- wireless configuration interface

#### 5.5.4 DDNS configuration

1. Enter into "Network configuration"-- "DDNS configuration" refer to Figure 5-18: Note: The service of user selecting domain name is that video surveillance server bands one domain name. First, users should register user name and password to log on the website of service supplier, and then apply for a domain name online for the server. After that, users can visit the server through inputting the domain name at Internet Explorer terminal.

The screenshot shows a configuration window titled "DDNS config". It contains the following fields:

- Enable DDNS
- DDNS Server: www.dyndns.com
- User Name: abc
- Password: 123456

Fig 5-18 network configuration-- DDNS configuration interface

2. Press the "Save" button to save the settings.

Please refer to the following table for parameters and instructions of DDNS configuration.

| Parameter   | Meaning                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------|
| DDNS server | Address of the website provided by domain name supplier. The options: www.dyndns.com and myq-see.com |
| User name   | Log in for the website of domain name supplier                                                       |
| Password    | Log in for the website of domain name supplier                                                       |

#### Setting UP DDNS (Take myq-see.com as example)

**NOTE: Before you setup MYQ-SEE DDNS, make sure you are able to remotely view your DVR using your regular IP address.**

1. From a Computer that is on same network as the IP Camera, go to <http://myq-see.com/>
  2. Click on New User
  3. Do the registration
  4. Create your Domain name and once it created, check the IP address listed there is the same IP address that you are using before to connect to the DVR.
  5. Now go to your IP Camera - DDNS Config
  6. Enable DDNS
  7. Host name: enter your domain name
  8. User name: it is the email address you are using on the registration
  9. Password : enter your password you are using on the registration
- Press the Save button.

### 5.6 User configuration

Enter into "User configuration" refer to Figure 5-19:

| User Name | User Type     | Bindng MAC        |
|-----------|---------------|-------------------|
| admin     | Administrator | 00:00:00:00:00:00 |
|           |               |                   |
|           |               |                   |
|           |               |                   |

Add      Delete      Modify

Fig 5-19 User configuration interface

#### Add user:

1. Click "Add" button, "Add user" dialog box opens, refer to Figure 5-20:

User Name: as

Password: \*\*\*\*

Confirm Password: \*\*\*\*

User Type: Administrator

binding MAC addre:  
User PC MAC: 00 : 00 : 00 : 00 : 00 : 00

OK      Cancel

Fig 5-20 Add user dialog box

2. Input user name in "User Name" textbox (only letters).

**Note: normal user and advanced user can preview live picture and playback files (there is no difference between normal and advanced user on this system; administrator not only can preview live picture and playback files but have the right of remote setting.**

3. Input characters in "Password" and "Confirm Password" textbox (letters or numbers).

4. Input the MAC address of the PC in "Binding MAC address" textbox.

**Note: After binding physical address to the IP-CAM, user can access the**

device on this PC in network only. If the MAC address was ““00:00:00:00:00:00” it can be connected to any computers.

5. Click “OK” button, new added user will be displayed in the user list.

#### Modify user:

1. Select the user who needs to modify password and physical address in the user configuration list box.

2. Click “Modify” button, “Modify user” dialog box pops up, refer to Figure 5-21:

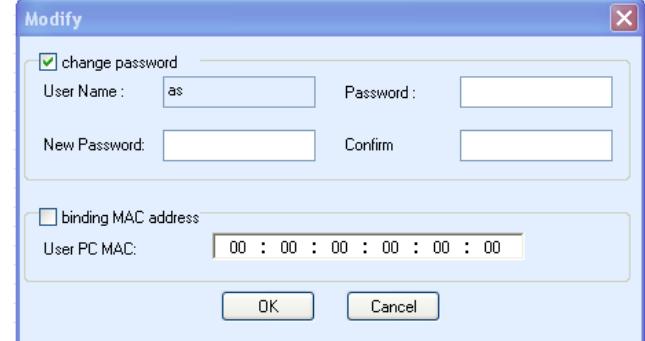


Fig 5-21 Modify user dialog box

3. Input original password of this user in the “change password” text box

4. Input new password in the “New password” and “Confirmation” text box

5. Input computer’s physical address from which user accesses the server in the “User PC MAC” text box

6. Click “OK” button, to complete modification of user’s password and binding MAC address.

#### Delete user:

1. Select the user which needs to be deleted in the user configuration list box.

2. Click “Delete” button, a confirm dialog box pops up, click “OK” to delete the user.

**Note: The default super administrator can not be deleted.**

Please refer to the following table for parameters and instructions of user configuration.

| Parameter           | Meaning                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| User Name           | User name to operate the logon client end                                                                                                           |
| User Type           | Type of user: normal user, advanced user and super administrator                                                                                    |
| Binding MAC address | The MAC addresses of users accessing the server which should setup according to actual MAC address of the server.                                   |
| Password            | Password to log into the client terminal                                                                                                            |
| Confirm Password    | Password to log into the client terminal<br><b>Note:</b> The confirmed password which is input by user should conform to new password the user set. |

### 5.7 Notification configuration

Enter into notification – mail configuration refer to Figure 5-22

1. From Email: sender's e-mail address
2. User name and password: sender's user name and password
3. Server address: SMTP name of sender
4. Select "This server requires a secure connection (SSL)": user can setup mail servers (such as Gmail) according to actual needs,
5. Receival email address list: add email address into the list
6. Receival email address: receiver's e-mail address
7. after all parameters are setup, user can click "Test your account settings", if email is sent successfully, a "Test Successful" window will pop up, if not, users can try other email addresses or check the settings.

**Notice: If user changes the static IP into PPPoE, there will be an e-mail sent to users' mail box for notification of a new IP address.**

The screenshot shows a configuration interface titled "Mail config". It includes fields for "From Email", "User Name", "Password", "Server address", "SMTP Port" (set to 25), and a checkbox for "This server requires a secure connection(SSL)". Below these are sections for managing email addresses: "Receival email address list" and "Receival email address", each with "Add" and "Delete" buttons.

Fig 5-22 Notification configuration—mail configuration interface

### 5.8 Advanced configuration

Advanced configuration includes three submenus: upgrade, security configuration and default configuration

#### 5.8.1 Upgrade

Enter into advanced configuration—upgrade, refer to Figure 5-23:

1. Click “Browse” button to select the save path of the upgrade file
2. Click “upgrade server firmware” button, start upgrading the application program
3. The device will restart automatically

**Notice: user can't disconnect from PC or close the IP-CAM during upgrade**

The screenshot shows an "Upgrade" interface with a "Path:" input field containing a browse button, and an "Update server firmware" button below it.

Fig 5-23 advanced configuration—upgrade interface

#### 5.8.2 Security configuration

Enter into advanced configuration—security configuration, refer to Figure 5-24:

1. Select “Enable IP address” check box, select “Deny the following IP address”, input IP address in the IP address list box and click “Add” button, this IP address will display in the list box; the step of “Allow the following IP address ” is the same as “Deny the following IP address”.
2. Check the IP address which needs to be deleted in the IP address list box and click “delete” button to delete the IP address.
3. Click “save” button to save the above setting.

**Note: “Allow the following IP address” and “Deny the following IP**

address" can't operate at the same time.



Fig 5-24 advanced configuration—security configuration interface

#### 5.8.3 Default configuration

Enter into advanced configuration—default configuration refer to Figure 5-25:

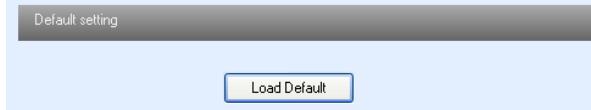


Fig 5-25 advanced configuration—default configuration interface

Click "Load default" button to restore all system settings to original value, except for IP address.

#### 5.8.4 Reboot device

Enter into advanced configuration—reboot device refer to Figure 5-26:



Fig 5-26 advanced configuration—reboot device interface

Click "Reboot device" button to reboot the device.

## 6 Video Search

Click “video search” icon, to search the images which are saved on the SD card refer to Figure 6-1:

1. Select date in the “calendar”, check “motion detection” and/or “sensor”, click “search” button, the snapped pictures that triggered the alarm will display in the list box.
2. Double click a file name in the list box and you can check the snapped pictures.
3. Click “save” icon select the save path for the file on PC.

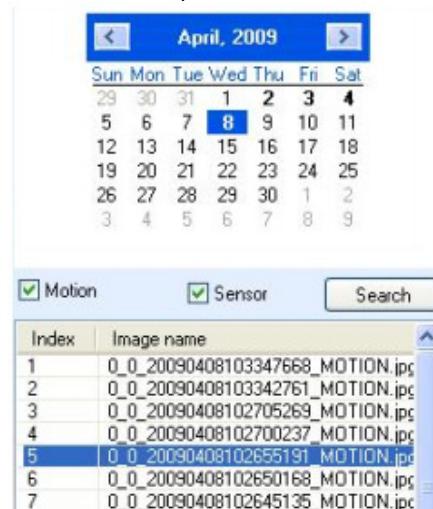


Fig 6-1 video search interface

## 7 Mobile Surveillance

This IP-CAMERA supports mobile surveillance by cell phones with Windows mobile pro and Symbian operating systems. Below are the details of the supported versions. Please check the operation system version of mobile phone before using.

| Operation system                                           | Compatibility |
|------------------------------------------------------------|---------------|
| Windows Mobile 2003 for Smartphone                         | not supported |
| Windows Mobile 2003 for Pocket PC                          | supported     |
| Windows Mobile 5.0 for Smartphone                          | not supported |
| Windows Mobile 5.0 for Pocket PC Phone Edition             | supported     |
| Windows Mobile 5.0 for Pocket PC                           | supported     |
| Windows Mobile 6 Standard                                  | not supported |
| Windows Mobile 6 Professional                              | supported     |
| Windows Mobile 6 Classic                                   | supported     |
| Symbian S40                                                | not supported |
| Symbian UIQ                                                | not supported |
| Symbian S80                                                | not supported |
| Symbian S60 1st Edition-Symbian OS v6.1                    | supported     |
| Symbian S60 2nd Edition-Symbian OS v7.0s                   | supported     |
| Symbian S60 2nd Edition with FP1-Symbian OS v7.0s enhanced | supported     |
| Symbian S60 2nd Edition with FP2-Symbian OS v8.0a          | supported     |
| Symbian S60 2nd Edition with FP3-Symbian OS v8.1           | supported     |
| Symbian S60 3rd Edition-Symbian OS v9.1                    | supported     |
| Symbian S60 3rd Edition with FP1-Symbian OS v9.2           | supported     |
| Symbian S60 3rd Edition with FP2-Symbian                   | supported     |

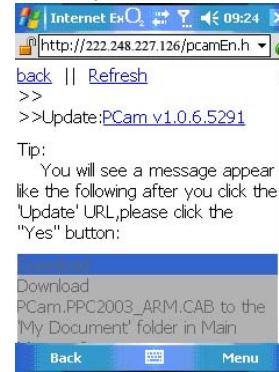
|                                         |           |
|-----------------------------------------|-----------|
| OS v9.3                                 |           |
| Symbian S60 5th Edition-Symbian OS v9.4 | supported |
| Symbian S60 5.1 Edition-Symbian OS v9.5 | supported |
|                                         |           |

### 7.1 Accessing by Phones with Windows Mobile Pro

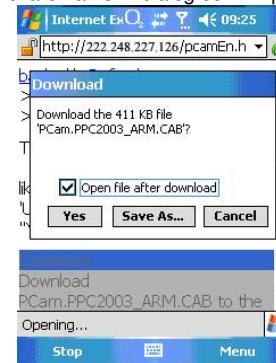
Please use cell phones or PDAs with WinCE versions supported by this unit.

First activate the network access on the mobile phone, and then run "Internet Explorer".

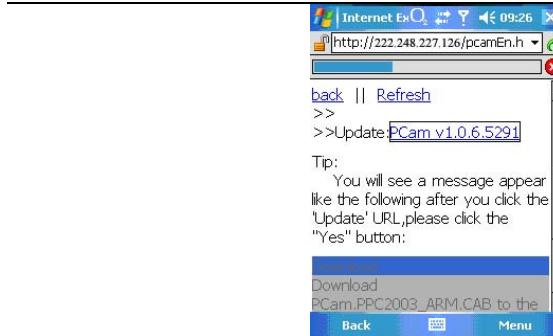
**STEP 1:** Input the public IP address you need to use to connect as shown below:



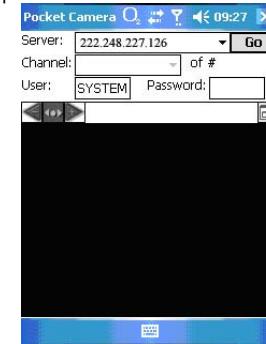
**STEP 2:** Click on the software name. A dialog box will pop up.



**STEP 3:** Click "Yes" to download and install.



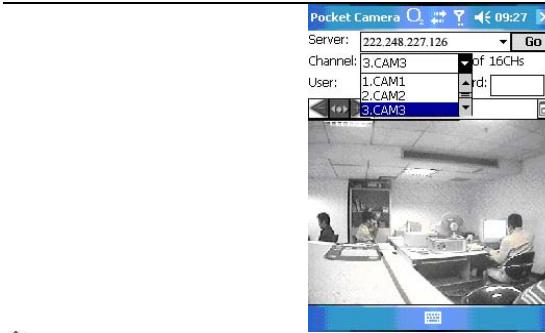
**STEP 4:** PCam will be opened after installed.



**STEP 5:** Input the server's address, ID, and password respectively in the columns of "Server", "User", and "Password". Then click "Go" to login to the DVR. It will show the picture if accessed successfully.



**STEP 6:** Camera 1 is the default display after login. Change the camera in the drop down menu of "Channel".



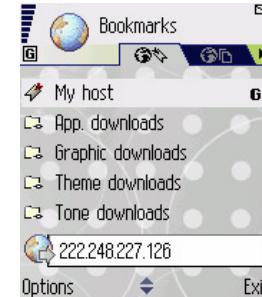
**Note:** User name and password here are the same as that used on the DVR. The defaults are user name "admin" and password "123456".

## 7.2 Accessing by Phones with Symbian

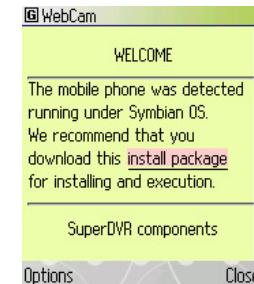
Please use smart phones or PDAs with Symbian version supported by this unit.

**STEP 1:** First enable the network access on mobile phone, and then run Web browser.

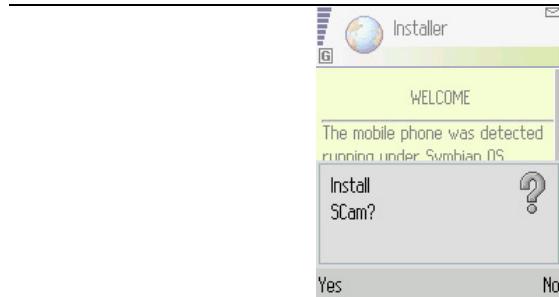
**STEP 2:** Input the DVR server's IP address in a new-built bookmark. Click this bookmark to connect with the DVR.



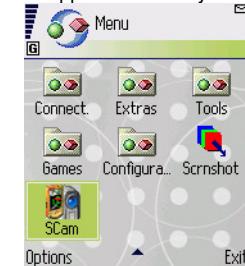
**STEP 3:** A welcome window will pop up with a link to download the software. Click "install package" to download.



**STEP 4:** The security window will pop up after downloaded and ask if you want to install the package. Click YES to install.



**STEP 5:** A Scam shortcut icon appears on the system menu after finished.



**STEP 6:** Run Scam program.



**STEP 7:** Click Options--->Settings to enter login interface.



**STEP 8:** Input the server's address, ID and password respectively. Then click OK to login to the DVR.



**STEP 9:** It will show the camera after accessing successfully.



**Note:** User name and password here are the same with that used on the

---

DVR. The defaults are user name “admin” and password “123456”.

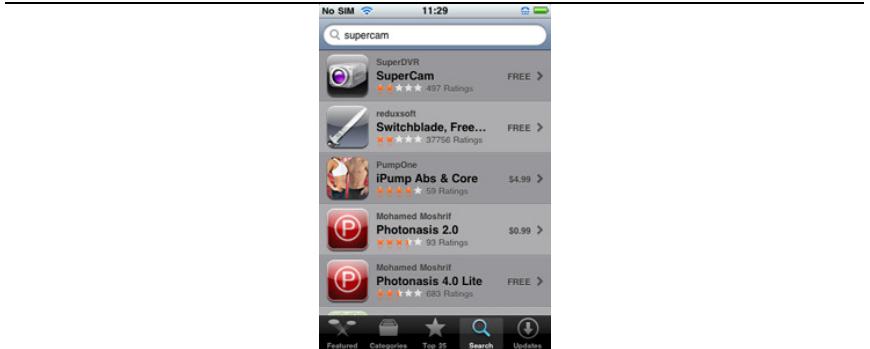
### 7.3 Accessing from iPhones

At present, the software only supports iPhone os2.2 and above, if phone firmware is lower than this version please upgrade it. Below is the operation method for accessing from iPhones:

Step1 : Enter into App Store function on the iPhone:



Step 2: Enable “search”  function to search for “SuperCam”, the required program will be displayed on the top of search box:



Step 3: Click SuperCam, to enter into “introduce” interface and click FREE”, it will change into “INSTALL”



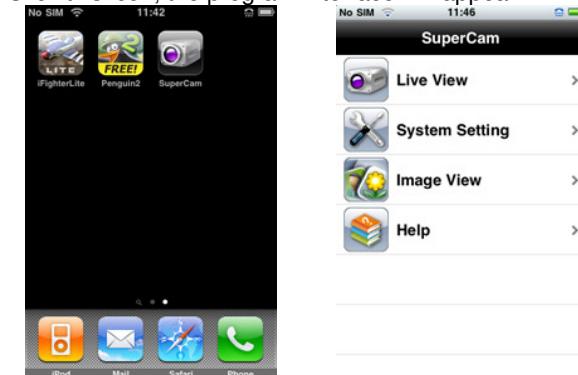
Step 4: Enter into iTunes Store password, click “OK” the below interface will

display:

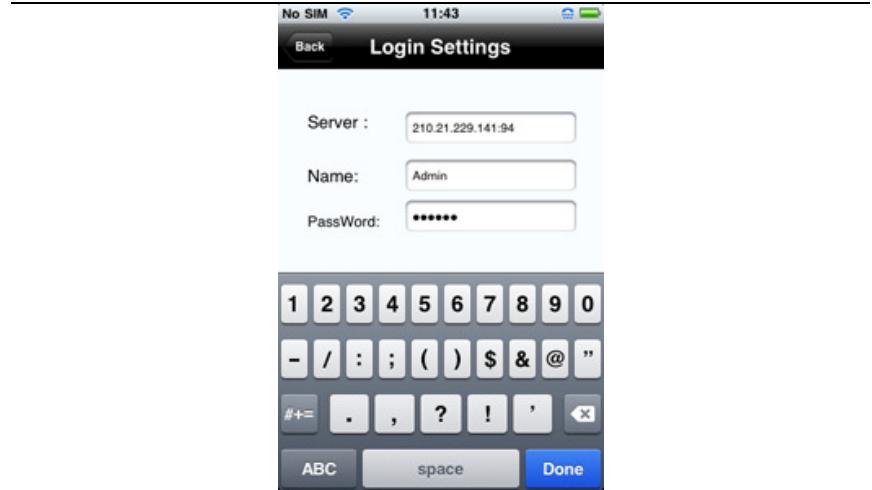
**Note: if this is the first time you are operating please enter your user ID; if you do not have a Store account, you will need to create one.**



Step 5: Download the program and install it. After installing, the SuperCam icon will display. Click this icon, the program interface will appear



Step 6: Click "System setting", to enter into login interface. Enter server's IP address (or domain name), user's ID and password. Click Back to save.



Step 7: Click Live View, the default Cam1 picture will be displayed. Click to capture picture. Click to enter PTZ mode.

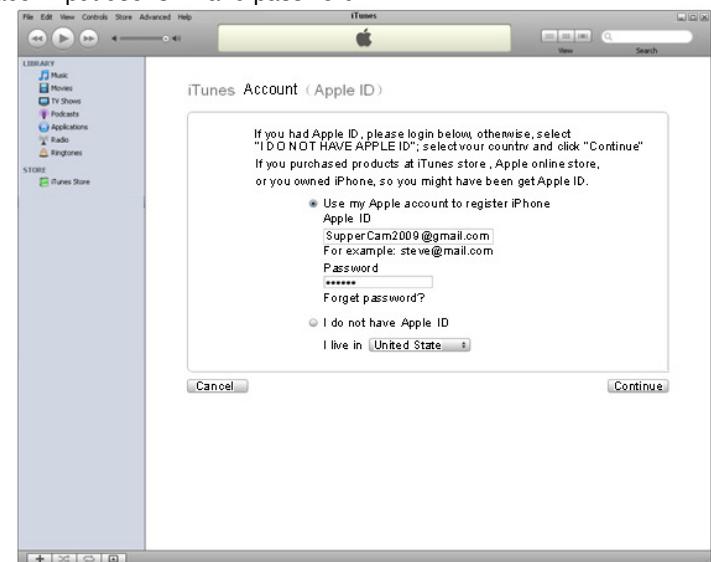


Step 8: Click Image View on program interface to view the captured picture. Click or to switch to next or previous picture. Click to delete the current picture.



**Method two:** Download SuperCam from iTunes, and synchronize it to iPhone  
 Step 1: Install iTunes on PC, and open it. Then connect iPhone to computer with

the data cable. When prompt message appears click “**Continue**”, refer to below interface. Input user’s ID and password.



Step 2: Click “iTunes Store” on the left column, search for “SuperCam”.



Step3: Click searched “SuperCam”, refer to below picture.



Step 4: Click“GET APP”, an input box will pop up. Enter user’s ID and password, then press “Get”. It will download applicaton to the computer.

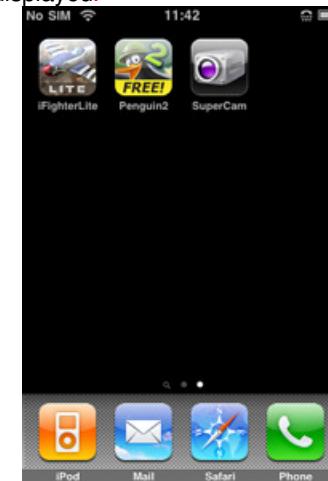


Step 5: Click your iphone device (here it is super iphone) in the left column, press

"Applications". Check "Sync applications" and "SuperCam". Then click "Apply" in the lower-right corner, and wait for installation to finish.



Step 6: After installation finishes, return to main interface of iPhone, where the camera icon will be displayed.



Step 7: Click camera icon; the program interface will appear. The following setting steps are the same as method one "Step 5, 6, 7, 8".

## 8 Questions & Answers

### 1. Q: I forgot the password, how can I reset it?

A : Press “RESET” button for 4 seconds to restore to default status.

Note: Default IP: 192.168.0.201

User name: admin

Password: 123456

### 2. Q : I can not connect to devices through IE browser, what can I do to solve the problem?

A: Please check the network cable connections and make sure they are connected well.

B: IP is not available. Reset the IP and make sure it is correct.

C: Web port number is being blocked by service provider or being used by another device: try using a different port number.

D: If the above do not help try restoring default settings by pressing “RESET” button for 3—5 seconds.

**Note:** default IP: 192.168.11.201 , mask number: 255.255.255.0

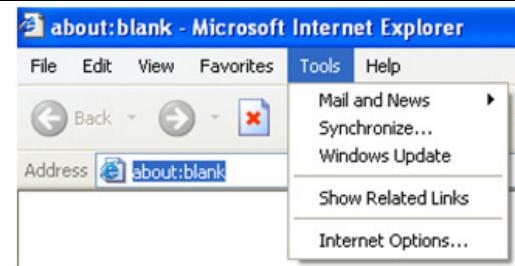
### 3. Q : IP tool search can not find devices, what can be stopping it?

A : It may be blocked by the anti-virus software in your computer. Please turn off the anti-virus program and try to search for device again. Also make sure that the PC and IP Camera are on the same network (connected to the same router)

### 4. Q : IE Can not download ActiveX control, how do I work around this?

a. If the IE browser is blocking ActiveX please do the following setup:

Open IE browser. Click Tools----Internet Options....



select Security-----Custom Level....refer to Fig 4-1

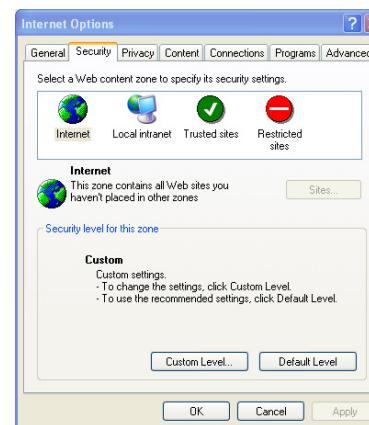


Fig 4-1



Fig 4-2

Enable all the sub options under “ActiveX controls and plug-ins”, refer to Fig 4-2

then click ok to finish setup.

- b. Other plug-ins or anti-virus could block ActiveX. Please turn off anti-virus programs and disable other plug-ins using the Tools – Manage add-ons option. After you install the ActiveX control you can turn the other plug-ins back on until you find the one that was causing the problem.

## 5. Q : I am not getting any sound, what is wrong?

A :Make sure audio cable is firmly attached to camera. Please re-connect and try again.

B: Right click on the camera's image on the screen and select the audio option to enable it.

**6. Q : How can I set this IP Camera up on a wireless router?**

- A: 1. Connect camera to the Router using the network cable provided  
2. Make sure the PC is connected to the same Router  
3. Check the IP address of the Router by running IPCONFIG from the PC ( go to command prompt and type in ipconfig). Note the ip address. As an example here the IP is 192.168.1.100  
4. Install the CMS program.  
5. Run IP TOOL. Default login is system and password is 123456  
6. This tool will detect the IP camera automatically and show the IP address of the camera. By default the IP address of Camera is 192.168.0.201. Based on the example above, the IP of the Network is 192.168.1.100. So in this case we need to change the IP of the camera to 192.168.1.201. To do this, right click on it and choose Network setup and change the IP address and change the gateway to 192.168.1.1  
7. Open Internet Explorer, enter the camera IP which is 192.168.1.201 on the address bar.  
8. You will get the login screen and just enter 123456 for password.  
9. To setup the wireless, click on System Config on the bottom right. Then click on Wireless config from the menu on the left side.  
10. Check the Wireless Switch  
11. Click on Refresh. It should detect all the Routers within range. Select your router.  
12. On the SSID it should come up with all Router's information, and if your Router is encrypted, you have to put your Key, and leave the option to use the following IP defaulted to 192.168.1.201. Click on Save.  
13. Now you can unplug the network cable and then you can move the camera to wherever you want as long its still within the range of the wireless router.  
14. Within the same network you should be able to login to this camera using the same IP of 192.168.1.201

15. If you want to remotely view this camera from outside the network, you need to forward port 80 and 9008 to the IP address of the camera in the Router. (There are complete instructions on how to do this in the manual).

**7. Q : I can not connect to a wireless router, what can I try?**

A: Check the status of the wireless router. Please make sure the router is open or enabled.

B: Check the router and the device port. Please make sure the router setup is using the correct device port.

## 9 Specifications

| QSTC201 Specifications                                 |                                                                                                         |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Camera</b>                                          |                                                                                                         |
| Type                                                   | Indoor Camera                                                                                           |
| Image Sensor                                           | 1/4" Progressive CMOS                                                                                   |
| Megapixels                                             | 0.3                                                                                                     |
| Effective Pixels                                       | 640x480                                                                                                 |
| Infrared LEDs / Night Vision                           |                                                                                                         |
| Distance                                               | 11 / 17 feet                                                                                            |
| Min illumination/light sensitivity (Day Mode)          | 0.4 LUX without LEDs                                                                                    |
| Min illumination/ light sensitivity (Night Mode)       | 0 LUX with LEDs                                                                                         |
| S/N Ratio                                              | 48dB(min)                                                                                               |
| <b>Video &amp; Audio</b>                               |                                                                                                         |
| Compression                                            | H.264                                                                                                   |
| Dual Stream                                            | Yes                                                                                                     |
| Frame Rate                                             | 30 fps (in all resolutions)                                                                             |
| Max Video Resolution                                   | VGA: 640x480 / QVGA: 320x240                                                                            |
| Two-way audio                                          | Yes - Full Duplex                                                                                       |
| <b>Lens</b>                                            |                                                                                                         |
| Lens Size                                              | 4mm (Fixed)                                                                                             |
| Field of View                                          | 55° Horizontal / 45° Vertical                                                                           |
| Electronic Shutter                                     | 1/60~1/15,000 Sec                                                                                       |
| <b>System Integration</b>                              |                                                                                                         |
| Storage                                                | SD Card (2GB max), or PC hard drive via Software                                                        |
| Motion Detection                                       | Yes - with Email Notification                                                                           |
| Alarm inputs/outputs                                   | 1                                                                                                       |
| Connections                                            | Ethernet RJ-45, Audio Line Out, RS485, Power                                                            |
| <b>Network</b>                                         |                                                                                                         |
| Remote Viewing Support                                 | Internet Explorer (v6 or later), CMS Software Supported Smart Phones, Wifi Phones (iPhone & iPod Touch) |
| Mobile Phone Support CMS (Central Management Software) | Monitor up to 100 IP Cameras (view 36 at a time)                                                        |
| Simultaneous User Connections                          | Up to 8 users                                                                                           |
| Desktop Application Support                            | Windows XP, Windows Vista                                                                               |
| Supported Protocols                                    | TCP/IP, DHCP, PPPoE, DDNS, SMTP, NTP, UPnP, HTTP                                                        |
| Wireless Connectivity                                  | 802.11g                                                                                                 |
| <b>Security</b>                                        |                                                                                                         |
| Password Protected                                     | Multi-level Security Management                                                                         |
| IP Address Filtering                                   | Yes                                                                                                     |
| IEEE 802.1X                                            | Yes                                                                                                     |
| <b>General</b>                                         |                                                                                                         |
| Warranty                                               | 1 Year                                                                                                  |
| Operating Temperature                                  | 14° F to 122° F                                                                                         |
| Power                                                  | 12V DC                                                                                                  |

| <b>QSTC211 Specifications</b>                             |                                                                                                            |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>                                             |                                                                                                            |
| Type                                                      | Indoor Camera                                                                                              |
| Image Sensor                                              | 1/3" Progressive CMOS                                                                                      |
| Megapixels                                                | 1                                                                                                          |
| Effective Pixels                                          | 1280x800                                                                                                   |
| Infrared LEDs / Night Vision Distance                     | 11 / 17 feet                                                                                               |
| Min illumination/light sensitivity (Day Mode)             | 0.4 LUX without LEDs                                                                                       |
| Min illumination/ light sensitivity (Night Mode)          | 0 LUX with LEDs                                                                                            |
| S/N Ratio                                                 | 48dB(min)                                                                                                  |
| <b>Video &amp; Audio</b>                                  |                                                                                                            |
| Compression                                               | H.264                                                                                                      |
| Dual Stream                                               | Yes                                                                                                        |
| Frame Rate                                                | 30 fps (in all resolutions)                                                                                |
| Max Video Resolution                                      | VGA: 640x480 / QVGA: 320x240                                                                               |
| Two-way audio                                             | Yes - Full Duplex                                                                                          |
| <b>Lens</b>                                               |                                                                                                            |
| Lens Size                                                 | 4mm (Fixed)                                                                                                |
| Field of View                                             | 55° Horizontal / 45° Vertical                                                                              |
| Electronic Shutter                                        | 1/60~1/15,000 Sec                                                                                          |
| <b>System Integration</b>                                 |                                                                                                            |
| Storage                                                   | SD Card (2GB max), or PC hard drive via Software                                                           |
| Motion Detection                                          | Yes - with Email Notification                                                                              |
| Alarm inputs/outputs                                      | 1                                                                                                          |
| Connections                                               | Ethernet RJ-45, Audio Line Out, RS485, Power                                                               |
| <b>Network</b>                                            |                                                                                                            |
| Remote Viewing Support                                    | Internet Explorer (v6 or later), CMS Software<br>Supported Smart Phones, Wifi Phones (iPhone & iPod Touch) |
| Mobile Phone Support<br>CMS (Central Management Software) | Monitor up to 100 IP Cameras (view 36 at a time)                                                           |
| Simultaneous User Connections                             | Up to 8 users                                                                                              |
| Desktop Application Support                               | Windows XP, Windows Vista                                                                                  |
| Supported Protocols                                       | TCP/IP, DHCP, PPPoE, DDNS, SMTP, NTP, UPnP, HTTP                                                           |
| Wireless Connectivity                                     | 802.11g                                                                                                    |
| <b>Security</b>                                           |                                                                                                            |
| Password Protected                                        | Multi-level Security Management                                                                            |
| IP Address Filtering                                      | Yes                                                                                                        |
| IEEE 802.1X                                               | Yes                                                                                                        |
| <b>General</b>                                            |                                                                                                            |
| Warranty                                                  | 1 Year                                                                                                     |
| Operating Temperature                                     | 14°F to 122°F (-10°C to 50°C)                                                                              |
| Power                                                     | 12V DC                                                                                                     |

## 10 Q-See Product Warranty

Thank you for choosing our products.

All of our products users have a conditional free warranty repair service for hardware within 12 months starting from purchase date, and a free exchange service within one month (valid for manufacturing defects). Permanent upgrading service is provided for the software.

**Liability Exclusions:**

Any product malfunction, abnormalities in operation or damage caused by following reasons are not within the free service scope of our company. Please select payable service.

- (1) Equipment damage caused by improper operation
- (2) Improper environment and conditions in/on which the equipment operates, e.g., improper power, environment temperature, humidity and lightening strike etc. that cause equipment damage.
- (3) Damage caused by acts of nature: earthquake and fire etc.
- (4) Equipment damage caused by the maintenance of personnel not authorized by our company.
- (5) Product sold over 12 months ago.

In order to provide various services to you, please complete registration procedure after you purchase the product. Cut off or copy User's Information Card and fax or mail it to us after the card is filled in. You can also register the product by going to the [www.q-see.com](http://www.q-see.com) website and clicking on the Register link.

**If you have questions:**

**Contact Us:**

**Mailing Address:**

**DPS Inc.**

**8015 E. Crystal Dr**

**Anaheim, CA 92807**

**Customer Service:**

**Phone: 877-998-3440 x 538**

**Email: cs@dpsi-usa.com**

**Live Chat from our Website**

**Website:**

[\*\*http://www.q-see.com\*\*](http://www.q-see.com)

**Fax:**

**714-998-3509**

**Tech Support:**

**Phone: 877-998-3440 x 539**

**Email: ts@dpsi-usa.com**

**Live Chat from our Website**

**Customer Information Card**

|                               |          |
|-------------------------------|----------|
| User's Name                   | Mr./Mrs. |
| Company<br>Name               |          |
| Postal<br>Address             |          |
| Postal code                   |          |
| Phone<br>Number               |          |
| E-mail                        |          |
| Model<br>Number of<br>Product |          |
| Serial Number<br>of Product   |          |
| Purchase<br>Date              |          |
| Distributor                   |          |

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